

## **ABSTRACT**

This back-lighted control and protection device for multi-lamp liquid crystal display consists of a LCD back-lighted driver circuit, a lamp driven by the driver circuit that generates high-voltage power supply and lights up the LCD backplate, a sensor unit that is used to detect the light source of the lamp and a protection circuit that is connected to the output of the sensor unit and accepts the sensor signals given by the sensor unit to stop the driver circuit from output of high-voltage power supply.